SC-13 ENTRANCE/ OUTLET TIRE WASH

Refer to: ITD Standard Specifications, Section 621.
ITD Standard Drawing P-3-E.

BMP Objectives

- ☒ **Perimeter Control**
- ☐ **Slope Protection**
- ☐ **Borrow and Stockpiles**
- ☐ **Drainage Areas**
- ☒ **Sediment Trapping**
- ☐ **Stream Protection**
- ☐ **Temporary Stabilizing**
- ☐ **Permanent Stabilizing**

Definition and Purpose

Tire wash stations can be located at stabilized construction egress points to remove sediment from tires and under-carriages, and to prevent sediment from being transported onto public roadways.

Appropriate Applications

- Tire washes may be used on construction sites where dirt and mud tracking onto public roads by construction vehicles may occur.
- This BMP may be appropriate when stabilized ingress/egress points and construction roads are not sufficient in preventing sediment tracking onto adjacent roads or highways or in Environmentally Sensitive Areas (ESAs).
- Tire and vehicle washing may also be required to prevent the spread of noxious weeds. Refer to the contract documents to verify compliance with noxious weed requirements.

Limitations

- Requires a supply of wash water. Potential sources include existing water service connections if available, fire hydrants, or temporary water storage tanks. The Contractor shall verify that the use of any municipal or other existing water service is allowable with the appropriate agency.
- Requires a turnout or doublewide exit to avoid having entering vehicles drive through the wash area.
- No soaps or solvents allowed.
- Treat water with an appropriate control prior to discharge.

Design Parameters

- Construct on level ground, when possible, on a pad of coarse aggregate. A geotextile fabric shall be placed below the aggregate.
- Design the wash rack for anticipated traffic loads.
- Provide a drainage ditch that will convey the runoff from the wash area to a sediment-trapping device. See SC-10 (Sediment Trap) for additional guidance regarding sediment traps. The drainage ditch shall be of sufficient grade, width, and depth and adequately stabilized to safely carry the wash runoff.
- Require that all employees, subcontractors, and others use the wash facility as appropriate.
- Implement SC-4 (Street Sweeping and Vacuuming) as needed.

Maintenance and Inspection

- Conduct inspections as required by the NPDES permit or contract specifications.
- Remove accumulated sediment in wash rack and/or sediment trap to maintain system performance and dispose of as required.